

ERC Team **Meeting Minutes**

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SUBJECT GROUNDWATER/VADOSE ZONE INTEGRATION PROJECT MEETING -
NOVEMBER 6, 2000

TO Distribution

FROM Michael J. Graham, Groundwater/Vadose Zone Integration Project Manager

DATE November 13, 2000

ATTENDEES

See Attached List

DISTRIBUTION

Attendees
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NEXT GW/VZ INTEGRATION PROJECT OPEN MEETING:

Next Meeting: Monday, December 4, 2000 – 1-3 p.m.
Location: Bechtel Hanford, Inc., Assembly Room (Badging Required)
Local Call-In Number: (509) 376-7411
Toll Free Call-In Number: (800) 664-0771

MEETING MINUTES:

A Groundwater/Vadose Zone (GW/VZ) Integration Project Open Meeting was held on November 6, 2000, in Richland, Washington, at the Bechtel Hanford, Inc. (BHI) Assembly Room.

PROJECT REPORT:

General Project Update (Michael Graham)

Schedule Update (Michael Graham) (Attachment)

There is one change on technical reviews. There will be Integration Project Expert Panel (IPEP) meetings in the February or March 2001 timeframe. The full panel meeting will replace three sub-panel meetings. The cost is about the same. We anticipate having three meetings per year.

IPEP Update (Virginia Rohay) (Attachment)

I thought the meeting went real well. We talked about doing focus sessions in morning and then, bringing everyone back together for a round table discussion. The dialogue is useful to the project. A broader discussion would be nice. It would be an opportunity to make sure everyone is on the same page.

QUESTION: Do you have a copy of the conclusions of the Expert Panel?

ANSWER: We can provide hardcopies of the IPEP's view graphs used in their close-out session. They are also on our web site. We welcome any feedback from the meeting.

COMMENT: I am glad to hear they questioned you once again on making the project name more of a

central issue. I applaud their support of the U.S. Department of Energy, Richland Operations Office (DOE-RL) to define the extent of the plume at 618-11.

COMMENT: Initially, the panel's intention was to bring in outside experts when an area of focus was outside the expertise of their members. Do they still plan on doing this? I'm not seeing that lately. I'd like to see recognition on their part of the things they don't have expertise on.

RESPONSE: They brought two people in to support the review of Dense Nonaqueous Phase Liquid (DNAPL). Certainly on peer review, when they get into the details, we'll make sure we have the expertise.

COMMENT: You need to look at how many people you have to have at the table to cover the areas of expertise.

In their closing comments, they mentioned their thoughts on what they might be covering in the mid-March meetings - System Assessment Capability (SAC). In mid-July they will be looking at prioritization for FY02. That will be an opportunity to look at the work scope plan.

We are always looking at what's below the line. They can't get close enough to the project to provide us advice on all areas of that, but some input from them would be useful.

COMMENT: That is particularly true of Risk. Some kind of relative update on risk at different sites around the range would be very useful.

RESPONSE: Good point.

QUESTION: When will their close-out report be available?

ANSWER: I can't give you a definite date. Sometimes it takes longer than six weeks. They are trying to get more streamlined in the production of the report. We told them that less writing is better. As I said earlier, the view graphs are out now.

QUESTION: (Shelley Cimon): Can I have the view graphs sent to me?

ANSWER: Absolutely. Steve Sautter will fax them to you.

We've worked in partnership with the panel on the agenda topics and that's worked well. There are other areas where we would like consensus recommendations.

QUESTION: Will you make sure the Hanford Advisory Board (HAB) gets a copy of those areas you need consensus?

ANSWER: Yes.

Review of National Academy of Sciences Committee Meeting (Mark Freshley)

Last week Michael Graham, Mike Thompson and I traveled to the National Academy of Sciences (NAS) meeting in Irvine, California. There were several topics on the agenda. We went through the risk technical element. They wanted to hear about the approach of how we got there, the activities, and our FY01 scope. We covered those topics. They queried us for over 2 hours. They had a lot of questions. Michael and I talked with Kevin Crowley (NAS staff officer for the committee). They will be providing a

set of written questions for the Integration Project to answer. They are going through the roadmap document. They are reviewing the activities in the Science and Technology (S&T) roadmap and linking them to the FY00 and FY01 work plans. There will be another meeting in January. There will be an exchange of information and a lot of questions

QUESTION: Will the January meeting be here?

ANSWER: No, it will be in California.

One concern they have is that they are in the middle of writing this report in the midst of a lot of change of direction at Hanford. Their concern is that they will come out with a report that immediately needs updating. They are surprisingly up to speed on Hanford. We are looking forward to their constructive input.

Upcoming Environmental Management Science Program (EMSP) Workshop (Mark Freshley)

The workshop is scheduled for November 28-30, 2000. It will be held at the Environmental Molecular Sciences Laboratory (EMSL) facility at Pacific Northwest National Laboratory (PNNL). The purpose of this workshop is to get back with those projects we met with last year and update them on our progress at Hanford and to get an update on their research. We are trying to make sure that we haven't missed anything and to foster dialogue between the research projects at the Hanford site.

QUESTION: Where are these projects?

ANSWER: All over the country, a lot of them are at universities. They use our S & T Plan and Needs Statements as input to their cause. Many of these projects are targeted to the Hanford site problems. One will focus on tank farms. Another will be on the carbon tetrachloride issue. We are not as well linked up there. We're trying to develop more dialogue.

QUESTION: Are these things separate from the needs that come out of the sub-groups of the Science and Technology Coordinating Group (STCG)?

ANSWER: Yes. They had our needs statements of the integration project, the tank farms were linked in. River Protection Project (RPP) has made direct contact with several EMSP investigators.

QUESTION: Did their funding start in FY99 or FY00?

ANSWER: FY00.

QUESTION: Some were two-year projects, and most will be coming through in FY02?

ANSWER: Yes, FY02. John Zachara (PNNL) is organizing it and a lot of speakers are coming from off site. It should be very good.

They are engaging the broader technical community. Information about the workshop and how to participate is on the PNNL web site. If you're interested in participating, see the calendar on the website.

QUESTION: (Dib Goswami) Is the detailed agenda complete?

ANSWER: It's close.

QUESTION: Can you send it to me?

ANSWER: Yes.

System Assessment Capability (SAC) Schedule Review (Bob Bryce) (Attachment)

A Level 2 schedule is included in your packet. As for Data Gathering, we completed assembling our data at end of FY00. The activity here is to put it in a format as an appendix to our final report. We haven't decided if we can do that through the web page. For History matching, the model runs from 1944 to the present. We are going to look at how well the predicted results compare to the data in the field. We have done initial runs on most of them, but not the Columbia River yet. It will take too long to run it in the configuration we put together last year. Next on the schedule is Assemble Input Files, we will be assembling files for the predicted run. We will do that in February.

At the bottom of the schedule you can see we will have history matching and peer review in March. Mel Marietta will be involved, as well as other people, to help with that review.

QUESTION: How far out in time will the analysis run?

ANSWER: It will run from 2054 – 3054, the first thousand years after site closure.

QUESTION: How far down the river?

ANSWER: From Priest Rapids to McNary Dam.

QUESTION: Are you optimistic?

ANSWER: Yes, I am. We looked at tracking information for October. I'm really impressed at what we've got done.

QUESTION: How do you represent the source?

ANSWER: They will be located by their x/y coordinates.

QUESTION: Is there a specific inventory at that location?

ANSWER: Yes. A year ago there was some concern about the level of aggregation first proposed. Liquid waste cannot be aggregated due to a number of variables. As a result, we did not aggregate any of the liquid disposal sites.

QUESTION: The liquid sources don't have much inventory, do they?

ANSWER: Some of them do.

QUESTION: You are starting from some time in the past rather than now?

ANSWER: Yes.

QUESTION: The model starts to turn much earlier.

ANSWER: We don't have good information on Characterization of Systems to start in the year 2000. We do have a few sites that have been characterized. We use that as a prediction tool.

UPCOMING EVENTS (Michael Graham)

U.S. Department of Energy – Headquarters (DOE-HQ) is doing a year-end review November 13-16, 2000. And we are canceling the November 20, 2000, meeting because it is close to the Thanksgiving holiday.

QUESTION: Will you have a meeting in January?

ANSWER: The holidays hit on both days we had meetings scheduled. We thought we'd pick a date in the middle, maybe January 8, 2000.

Note that tomorrow there is not a HAB Environmental Restoration (ER) committee meeting. On November 8, 2000, there will be a joint HAB committee meeting.

COMMENT: (Wade Riggsbee) A lot of information available isn't getting sent to me. Now that I am working out of my home, my e-mail address is different. (Wade Riggsbee's e-mail address is: riggsbee@owt.com)

ANSWER: We'll fix that.

NOTES:

GW/VZ Web Site location: <http://www.bhi-erc.com/vadose>

If you have questions or comments, please contact Steve Sautter (509-372-9097) or Alison Kent (509-372-9192).

ATTACHMENTS:

- 1) GW/VZ Integration Project Two Month Look Ahead Calendar
- 2) System Assessment Capability Level 2 Schedule

ATTENDEES:

Marty Bensky – Tri-City Caucus

Bob Bryce – PNNL

Shelley Cimon - HAB

Don Clarke - DEC

Mark Freshley – PNNL

Dib Goswami - Ecology

Michael Graham – BHI

Mary Harmon – DOE-HQ

Doug Hildebrand – DOE-RL

Kathy Huss – SAIC

Alison Kent – BHI

Fred Mann – FFS

John Morse – DOE-RL

Vince Panesco - WPI

Wade Riggsbee – Yakama Nation

Gordon Rogers – HAB

Virginia Rohay – CHI

Steve Sautter – BHI

Sue Safford – Oregon Office of Energy

GW/VZ INTEGRATION PROJECT
NOVEMBER 6, 2000 – FEBRUARY 19, 2001
THREE MONTH LOOK AHEAD CALENDAR

| | |
|-----------------------|--|
| November 6 | GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| November 7 | HAB-ER |
| November 13-16 | DOE-HQ Year End Review (Richland, WA) |
| November 20 | **CANCELLED DUE TO HOLIDAY GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| November 28-30 | EMSP FY2001 Vadose Zone Principal Investigator Workshop (EMSL, Richland, WA) 8 a.m.-5 p.m. November 28 & 29; 8 a.m.-Noon November 30. Registration required. (http://www.pnl.gov/emsp) |
| December 4 | GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| December 6 | HAB-PI |
| December 7-8 | HAB Meeting (Clackamas, OR) |
| December 18 | GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| January 1 | **CANCELLED DUE TO HOLIDAY GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| January 8 | GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| January 15 | **CANCELLED DUE TO HOLIDAY GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| February 5 | GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |
| February 19 | **CANCELLED DUE TO HOLIDAY GW/VZ Project Open Meeting BHI Assembly Room – 1-3 p.m. (Contact: Steve Sautter) |

